

9/3 see 1998 letter from ~~Willoughby Run~~ Lura Sivergent

know about this

ADAMS

ENVIRONMENTAL PROTECTION

November 12, 1997

Stream File 5.15.3

Stream Code 58925

SUBJECT: Aquatic Biological Investigation
Willoughby Run
Adams County
October 9, 1997

note 1991

SAME VIOLATION

TO: Steve Dale
Water Quality Specialist Supervisor
Water Management Program
Southcentral Region

sludge accumulation

FROM: William F. Botts WFB
Water Pollution Biologist
Water Management Program
Southcentral Region

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THROUGH: Robert J. Schott
Water Pollution Biologist

EXECUTIVE SUMMARY

On October 9, 1997, an aquatic biological investigation was conducted on Willoughby Run to determine if the discharge from the Cumberland Township Sewage Treatment Plant (STP) was impacting the stream. Inspections conducted by the Department found there was sewage sludge collecting in Willoughby Run downstream of the STP discharge.

The investigation found that sewage sludge discharged from the Cumberland Township STP was collecting in Willoughby Run and the discharge was impacting the stream.

METHODS

Two sampling sites were established for the collection of benthic macroinvertebrates (Figure 1, Table 1). Riffle areas were chosen in order to reduce between-site variance and allow a more valid comparison of results. Specimens were collected in a hand-held screen while disturbing a 3 x 3 feet area upstream from the screen. Four samples were collected at each site noting the various taxa in each sample. The hand-gleaning of several rocks was also done to look for additional taxa. The relative abundance of the various taxa was noted in the field. Representative samples of specimens were collected and preserved in 70% ethanol for further identification. A macroinvertebrate taxa list was compiled for each sample site (Table 2).